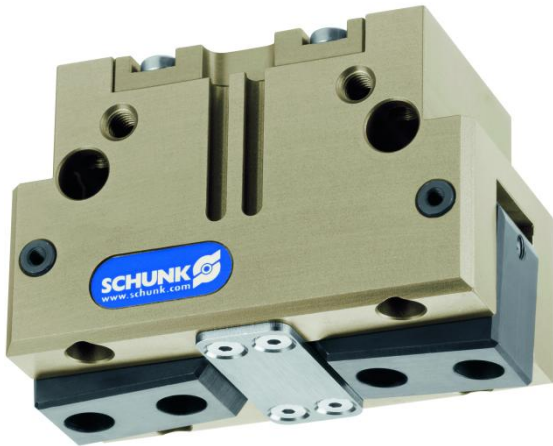


Product



No. 1 Position:

- ✓ Universal and flexible angular gripper – available in manifold variants for almost every industry and environment

Features

Unique Selling Points:

- ✓ Angular gripper in double piston design for maximum gripping forces

Further Features:

- ✓ High compact performance due to the use of oval pistons
- ✓ Modular – Platform concept similar to PGN-plus (with/without gripping force maintenance, high temperature version, etc.)
- ✓ One-piece, robust and high-tensile aluminum housing
- ✓ Compact design
- ✓ Variable top jaw design
- ✓ Connection thread at the front side. Centering possibilities for designing a workpiece support

Market and Competitors

Main Competitors

- ✓ Sommer
- ✓ PHD
- ✓ Destaco
- ✓ Röhm

Advantages towards the competition:

- ✓ Vast, directly suitable program of standard modular components – “Connecting diagram PGN-plus – finger and bottom-sided connection”
- ✓ Can be used in harsh environments due to the robust design

Economy/Customer Benefits

Customer Benefits:

- ✓ Robust and many times proven lever mechanism for maximum force transmission and low wear
- ✓ Oval piston for maximum compact performance

Questions about the Product? Your Contact Person of the Produkt Management Automation is M. Nagel (+49 - 7133 - 103 - 2561)

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Technical Data/Functions

Basic technical Data:

- ✓ Sizes: 50, 64, 80, 100, 125, 160, 200, 240
- ✓ Weight: 0,25 – 10,4 kg
- ✓ Gripping moment: 3,5 – 617 Nm
- ✓ Opening angle per jaw: 15°
- ✓ Workpiece weight: 0,5 – 16,2 kg
- ✓ Overgrip angle per jaw: min. 3°

Complementary Products:

- ✓ Magnetic switches, inductive sensors
- ✓ TCU
- ✓ BSWS
- ✓ AGE-F
- ✓ ABV

Additional Information

- ✓ Revision of the PWG and PWG-S gripper series, which is no more at the latest state-of-the-art

Industries and Applications

Can be used in any industry, with a clean and slightly contaminated environment, etc.

- ✓ Automotive industry
- ✓ Metal cutting

Applications

- ✓ Handling of crankshafts
- ✓ Handling of camshafts
- ✓ Gantry loading for interlinking machines

Cross Section



- 1. Base jaw**
for adaption of workpiece-specific gripper fingers
- 2. Housing**
weight-reduced due to the use of hard anodized and high-tensile aluminum alloy
- 3. Drive**
pneumatic oval piston for maximum drive force
for position monitoring via magnetic switches
- 4. Lever mechanism**
for precise and synchronized gripping

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